

# FLEXTHIN™ HTZ

FLUID THINNER



**NEWPARK**  
DRILLING FLUIDS

[www.newparkdf.com](http://www.newparkdf.com)

## PRODUCT DESCRIPTION

FlexThin™ HTZ fluid thinner is a synthetic polymer complexed with zirconium, resulting in a highly anionic polyelectrolyte.

## BENEFITS

FlexThin HTZ fluid thinner is non-toxic and environmentally safe. Though the product works as a thinner, unlike ligno-sulfonates, it does not instigate dispersion, therefore the additive delivers higher comparative penetration rates with lower drilling costs.

## APPLICATION

FlexThin HTZ fluid thinner can be used in freshwater, seawater, low-solids or polymer drilling fluids, including those high in calcium or monovalent cations. It is equally effective in both weighted and unweighted systems, and is ideal when bottomhole temperatures exceed 400°F (204°C) or when environmental concerns preclude the use of NewFlow™ chrome lignosulfonate.

## TREATMENT RECOMMENDATION

FlexThin HTZ fluid thinner is effective at low treatment levels of approximately 0.5-10 lb/bbl (0.05-1.00 gal/bbl). Treatment levels can vary depending on the type of drilling fluid, its density and the operating temperature. Initial treatments are best determined by pilot testing.

## TYPICAL PHYSICAL PROPERTIES

|                       |                     |
|-----------------------|---------------------|
| Appearance.....       | Clear yellow liquid |
| Flash Point.....      | >212°F (100°C)      |
| pH.....               | 5.0-6.0             |
| Pour Point.....       | <23°F (-5°C)        |
| Specific Gravity..... | 1.25                |
| Water Solubility..... | Soluble             |

## HANDLING AND STORAGE

Avoid contact with skin and eyes. Store in a well-ventilated area. Keep container tightly closed and avoid temperature extremes in order to maintain product performance. Use appropriate hygiene, clothing and personal protective equipment suitable for work being done. Review the SDS thoroughly before using this product.

## PACKAGING

FlexThin HTZ fluid thinner is available in 5-gallon (19-liter) pails.

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